



# SAFETY DATA SHEET

## SINOCHEM SCALPEL® SELECTIVE HERBICIDE

Infosafe No.: LQ447  
Version No.: 1.0  
ISSUED Date: 05/01/2015  
ISSUED BY SINOCHEM  
INTERNATIONAL AUSTRALIA PTY LTD

### 1. IDENTIFICATION

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**GHS Product Identifier**

SINOCHEM SCALPEL® SELECTIVE HERBICIDE

**Company Name**

SINOCHEM INTERNATIONAL AUSTRALIA PTY LTD (ABN 74 160 164 616)

**Address**

Level 8 / 606 St Kilda Road Melbourne  
Vic 3004 Australia

**Telephone/Fax Number**

Tel: +61 3 9520 8888

**Emergency phone number**

Australia: 1800 033 111

**Recommended use of the chemical and restrictions on use**

A herbicide for control of certain grass weeds in situations as described on the label.

### 2. HAZARD IDENTIFICATION

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**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Flammable Liquids: Category 4

Aspiration Hazard: Category 1

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H227 Combustible liquid

H304 May be fatal if swallowed and enters airways.

### Precautionary Statement (s)

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.

### Pictogram (s)

Health hazard



### Precautionary statement – Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary statement – Response

GENERAL

P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam.

INGESTION

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

### Precautionary statement – Storage

P405 Store locked up.

P403+P235 Store in a well-ventilated place. Keep cool.

### Precautionary statement – Disposal

P501 Dispose of contents/container to an approved waste disposal plant.

### Supplemental Information

The information under this heading is not mandatory under WHS Regulations. It is provided as information on other GHS hazard classes and categories and/or environmental hazards that are outside the scope of the WHS Regulations.

GHS classification:

Hazardous to the Aquatic Environment - Acute Hazard: Category 2; Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2. Hazard statements: H401; H411. Precautionary statement: P273; P391. Pictogram: Environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Name	CAS	Proportion
Solvent naphtha petroleum, heavy aromatic	64742-94-5	60 %
Clethodim	99129-21-2	25-30 %
Emulsifiers		10 %

## 4. FIRST-AID MEASURES

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### **Inhalation**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

### **Ingestion**

Do NOT induce vomiting. Wash out mouth and lips with water. Where vomiting occurs naturally have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.

### **Skin**

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

### **Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

### **First Aid Facilities**

Eyewash and normal washroom facilities.

### **Advice to Doctor**

Treat symptomatically.

### **Other Information**

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131 126)

## 5. FIRE-FIGHTING MEASURES

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### **Suitable Extinguishing Media**

Use carbon dioxide, dry chemical or foam.

### **Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide.

### **Specific Hazards Arising From The Chemical**

Combustible. This product will burn if exposed to fire.

### **Hazchem Code**

•3Z

### **Decomposition Temperature**

Not available

### **Precautions in connection with Fire**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **Emergency Procedures**

Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## **7. HANDLING AND STORAGE**

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### **Precautions for Safe Handling**

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.

### **Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area, out of direct sunlight, away from heat and ignition sources. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

### **Storage Regulations**

Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### **Occupational exposure limit values**

No exposure standards have been established for this material, however, the TWA exposure standards for refined mineral oil mist is 5mg/m<sup>3</sup>. As with all chemicals, exposure should be kept to the lowest possible levels.

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Source: Safe Work Australia

### **Biological Limit Values**

No biological limits allocated.

### **Appropriate Engineering Controls**

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1: 2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

### **Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### **Eye Protection**

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### **Hand Protection**

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### **Body Protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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### **Appearance**

Liquid

### **Colour**

Yellow to brown

### **Odour**

Oily odour

**Decomposition Temperature**

Not available

**Melting Point**

Not available

**Boiling Point**

Not available

**Solubility in Water**

Not available

**Specific Gravity**

0.97

**pH**

Not available

**Vapour Pressure**

Not available

**Vapour Density (Air=1)**

Not available

**Evaporation Rate**

Not available

**Odour Threshold**

Not available

**Viscosity**

Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity

**Volatile Component**

Not available

**Partition Coefficient: n-octanol/water**

Not available

**Flash Point**

68°C

**Flammability**

Combustible liquid

**Auto-Ignition Temperature**

Not available

**Flammable Limits - Lower**

Not available

**Flammable Limits - Upper**

Not available

**Explosion Properties**

Not available

**Oxidising Properties**

Not available

**Kinematic Viscosity**

Not available

**Dynamic Viscosity**

Not available

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**10. STABILITY AND REACTIVITY**

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**Reactivity**

Refer to Section 10: Possibility of hazardous reactions.

**Chemical Stability**

Stable under normal conditions of storage and handling.

**Conditions to Avoid**

Heat, open flames and other sources of ignition.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes including: carbon dioxide, carbon monoxide.

**Possibility of hazardous reactions**

Reacts with incompatible materials.

**Hazardous Polymerization**

Will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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**Toxicology Information**

No toxicity data available for this material.

**Ingestion**

May be fatal if swallowed and enters airways. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe pulmonary injury that may lead to death. May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

**Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

**Skin**

May be irritating to skin. The symptoms may include redness, itching and swelling.

**Eye**

May be irritating to eyes. The symptoms may include redness, itching and tearing.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

**STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

May be fatal if swallowed and enters airways.

**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Persistence and degradability**

Not available

**Mobility**

Not available

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available



## **Environmental Protection**

Prevent this material entering waterways, drains and sewers.

## **13. DISPOSAL CONSIDERATIONS**

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### **Disposal considerations**

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

## **14. TRANSPORT INFORMATION**

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### **Transport Information**

Road and Rail Transport:

This material is classified as Dangerous Goods Class 9 Miscellaneous Dangerous Goods

Class 9: Miscellaneous substances Dangerous Goods are incompatible in a placard load with any of the following:

Class 1: Explosives (when the class 9 substance is a fire risk substance) Division 5.1: Oxidising substances (when the class 9 substance is a fire risk substance) and

Division 5.2: Organic peroxides (when the class 9 substance is a fire risk substance)

Note: Special Provision AU01:

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in:

packagings that do not incorporate a receptacle exceeding 500 kg(L); or

IBCs

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No.: 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS SOLVENT NAPHTHA PETROLEUM, HEAVY AROMATIC) MARINE POLLUTANT

DG Class: 9

Packaging Group: III

EMS No.: F-A, S-F

Special provisions: 274, 335

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No: 3082

Proper Shipping Name: : Environmentally hazardous substance, liquid, n.o.s. (CONTAINS SOLVENT NAPHTHA PETROLEUM, HEAVY AROMATIC)

Class: 9

Packing Group: III

Label: Miscellaneous

Packing Instruction: 964 (For passenger and cargo aircraft)

Packing Instruction: 964 (For cargo aircraft only)

Special provisions: A97, A158

**U.N. Number**

3082

**UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(CONTAINS SOLVENT NAPHTHA PETROLEUM, HEAVY AROMATIC)

**Transport hazard class(es)**

9

**Packing Group**

III

**Hazchem Code**

•3Z

**EPG Number**

9C1

**IERG Number**

47

**IMDG Marine pollutant**

Yes

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## 15. REGULATORY INFORMATION

**Regulatory information**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**

S5

**Other Information**

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA Product Number: 67306

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## 16. OTHER INFORMATION

**Date of preparation or last revision of SDS**

SDS Created: January 2015

**References**

Standard for the Uniform Scheduling of Medicines and Poisons.

Approved criteria for classifying hazardous substances [NOHSC:1008(2004)].

National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)].  
Australian Code for the Transport of Dangerous Goods by Road & Rail.  
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.  
Workplace exposure standards for airborne contaminants, Safe work Australia.  
American Conference of Industrial Hygienists (ACGIH).

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## END OF SDS

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